

NOVIKOVA, L.I.; KONKIN, A.A.; SHULYATIKOVA, N.V.

Effect of the degree of substitution of cellulose xanthate  
on the supermolecular structure of cord fiber. Khim.volok  
no.4:47-51 '62. (MIRA 15:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo  
volokna (for Novikova, Shulyatikova). 2. Moskovskiy tekstil'nyy  
institut (for Konkin).  
(Cellulose xanthate) (Rayon)

KONOVALOV, G.V. (Leningrad); SHULYATIN, O.G. (Leningrad)

Unique bird colony in Antarctica. Priroda 53 no.10:100-  
101 '64. (MIRA 17:11)

SHALYATIN, O.G., mladshiy nauchnyy sotrudnik; KAKENEV, Ye.N., mladshiy nauchnyy sotrudnik; DUKHANIN, S.F.

Oceanographical studies in the central part of Enderty Land during February-March, 1963. Inform. biul. Sov. arkt. eksp. no.458 (1963).

ANBINDER, Ya.Ye. [Anbinder, IA.IE.]; SHPAKOVSKIY, N.Ye. [Shpakovs'kyi, N.E.]; DARBINIAN, S.A.; KOMAROV, V.V.; KOMAROVA, T.V.; KCZLOV, Yu.A.; KONOKOTIN, L.P.; ZEREKIDZE, V.M.; SHULYATITSKIY, S.M. [Shyliatyts'kyi, S.M.]; KHODURSKIY, Ye.A. [Khodurs'kyi, IE.A.]; OBUSHINSKIY, Ye.I. [Obushyns'kyi, IE.I.]; GVOZDIK, A.A. [Hvozdyk, A.A.]; NIKITINA, M.A.; LUPASHKO, N.F.; BESKROVNYY, M.N.; TSIMBLER, M.Ye. [TSymbler, M.IE.]; ILYN, A.N.; TOTADZE, P.M.; ZHIGURS, Kh.Yu.; ZAKREVSKIY, Ye.S. [Zakrevs'kyi, IE.S.]; FEDOROVICH, A.G. [Fedorovych, A.H.]; CHALENKO, D.K.; KHOMUTOV, D.A.; SKURIKHIN, I.M.; NILOV, V.I.; YEFIMOV, B.N. [IEfimov, B.N.]; KAZANOVSKIY, V.S. [Kazanovs'kyi, V.S.]; ZOTIKOV, L.S.; KOCCHURENKO, M.A.

Soviet certificates of invention. Khar. prom. no.2:57-59 Ap-Je '65.  
(MIRA 18:5)

1. SHULYATNIKOV, K. B. (Abstract)
2. USSR (600)
4. Mines and Mineral Resources-Chatkal Mountains
7. Report of the Kalkan-Ata geological-prospecting party for 1944.  
Izv.Glav.upr.geol.fon. No. 3 - 1947
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

ZHUKOVSKAYA, S.S.; LEVINA, K.Ya.; VODOLAZHENKO, N.I.; Prinimal uchastiye  
SHULYATNIKOVA, N.Ya., inzh.

Rapid volumetric method of determining the silicic acid content  
of raw material, raw mixes, and finished product in cement  
production. TSement 27 no.3:21-23 My-Je '61. (MIRA 14:7)  
(Silicic acid) (Cement)

SHULYATSKIY, D.I., redaktor; VAYNSHTEYN, Ye.B., tekhnicheskiy redaktor

[Organization and execution of lubrication work in enterprises of the metallurgical industry] Organizatsiia i vedenie smazochnogo khoziaistva na predpriatiakh metallurgicheskoi promyshlennosti. Khar'kov, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1950. 299 p.  
[Photostat] (MIRA 9:4)

1. Russia (1923- U.S.S.R.) Ministerstvo metallurgicheskoy promyshlennosti.  
(Lubrication and lubricants)

RAYKO, V.V., nauchnyy sotrudnik; VOLKOV, Ya.R., nauchnyy sotrudnik; NEVEDUYUSHCHIY, A.I., nauchnyy sotrudnik; IPATOV, P.P., inzh., red.; SHULYATSKIY, D.I., inzh., red.; VORODIMOV, N.I., inzh., red.; ANDREYEV, S.P., tekhn. red.

[Instructions for the operation of the mechanical equipment of open-hearth shops] Pravila tekhnicheskoi ekspluatatsii mekhanicheskogo oborudovaniia martenovskikh tsekhov. Khar'kov, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 112 p.  
(MIRA 11:11)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skii institut organizatsii proizvodstva i truda chernoy metallurgii (for Rayko, Volkov, Neveduyushchiy).
2. Ministerstvo chernoy metallurgii (for Ipatov, Shulyatskiy).
3. Zavod "Zaporozhstal'" (for Vorodimov).  
(Open-hearth process)

SHULYATSKIY, D. I.

RAYKO, V.V.nauchnyy sotrudnik; VOLKOV, Ya.R.nauchnyy sotrudnik; LEVITSKIY,  
D.A.nauchnyy sotrudnik; KHODAK, A.N.nauchnyy sotrudnik; RATNER, Yu.Z.  
inzhener; VORODIMOV, N.I.inzhener; GRISHAYEV, N.N.inzhener;  
SHULYATSKIY, D.I., inzhener, redaktor; ANDREYEV, S.A., tekhnicheskij  
redaktor

[Rules for the technical operation of cranes] Pravila tekhnicheskoi  
ekspluatatsii pod "emnykh kranov. Khar'kov, Gos. nauchno-tekhn. izd-  
vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 167 p.  
(MLRA 10:5)

1. Russia (1923 U.S.S.R.) Ministerstvo chernoy metallurgii.
2. Vsesoiuznyy nauchno-issledovatel'skiy institut organizatsii  
chernoy metallurgii. (for Rayko, Volkov, Levitskiy, Khodak)
3. Otdel glavnogo mekhanika Ministerstva chernoy metallurgii. (for  
Shulyatskiy) 4. Zavod "Azovstal'" (for Ratner) 5. Zavod "Zaporozhstal'"  
(for Vorodimov, Grishayev)  
(Cranes, derricks, etc.)

*Shulyatskiy D.I.*

130-58-2-13/21

AUTHORS: Ruvinskiy, S.M., Starets, I.S. and Shulyatskiy, D.I.

TITLE: Modernization of Rolling-mill Gear Boxes (Modernizatsiya shesterennykh kletey prokatnykh stanov)

PERIODICAL: Metallurg, 1958, Nr 2, pp 24 - 26 (USSR)

ABSTRACT: In recent years, many rolling mills in the USSR have been converted from friction to roller bearings. Housings are, however, sometimes encountered in which this cannot be done normally because of the comparatively small diameters of the original surrounding and the relatively large radial dimensions of roller bearings. The author shows that the best way of overcoming this difficulty is to adopt a staggered arrangement of bearings and gives examples of how this has been effected on a 270 wire mill (Fig.1), a light-section mill (Fig.2) and a three-high strip mill (Fig.3). He discusses the axial fixing of the journals and the possibility of locating the fixing bearings on the middle, driving shaft, instead of on the outer shafts, as in his examples. He gives 25 to 80 thousand hours as the estimated service life of the radial bearings in gear boxes and recommends his method of modernisation for various forms of heavy equipment.

Card 1/1 There are 3 figures.

AVAILABLE: Library of Congress

1. Rolling mills-Equipment

RAYKO, V.V., nauchnyy sotrudnik; NIKBERG, I.M., nauchnyy sotrudnik;  
KHODAK, A.N., nauchnyy sotrudnik; NEVEDUSHCHIY, A.I., nauchnyy  
sotrudnik; VOLKOV, Ya.R., nauchnyy sotrudnik; PEYCHEV, G.P., otv.  
red.; IPATOV, P.P., red.; SHULYATSKIY, D.M., red.; BURKSER, L.D.,  
red.; BALASEVICH, Yu.Yu., red.; SVETCHENKO, V.N., red.; KRYLOVSKIY,  
red.; SINYAVSKAYA, Ye.K., red.izd-va; ANDREYEV, S.P., tekhn.red.  
A.P., red.; (SINYAVSKAYA, Ye.K., red.izd-va; ANDREYEV, S.P., tekhn.red.)

[Regulations for operating the mechanical equipment of rolling mills]  
Pravila tekhnicheskoi ekspluatatsii mekhanicheskogo oborudovaniia  
prokatnykh tsakhov. Khar'kov, Gos.nauchno-tekhn.izd-vo lit-ry po  
chernoi i tsvetnoi metallurgii, 1959. 247 p. (MIRA 12:9)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy insitut organi-  
zatsii proizvodstva i truda chernoy metallurgii. 2. Vsesoyuznyy  
nauchno-issledovatel'skiy institut organizatsii proizvodstva i truda  
chernoy metallurgii (VNIIChERMET) (for Rayko, Nikberg, Khodak, Neve-  
dushchiy, Volkov). 3. Otdel glavnogo mekhanika byvshego Ministerstva  
chernoy metallurgii SSSR (for Ipatov, Shulyatskiy). 4. Zavod imeni  
Dzerzhinskogo (for Burkser, Balasevich). 5. Zavod imeni Kirova (for  
Svetchenko). 6. Zavod imeni Voroshilova (for Krylovskiy).  
(Rolling mills--Equipment and supplies)

TSILOSANI, Z.N., SHULYATSKIY, Yu. B.

Aggregates obtained from Tbilisi quarries and the quality of concrete  
at certain construction sites of the city. Trudy Inst. strel. dela  
AN Gruz. SSR 6:185-190 '57. (MIRA 11:8)

(Tiflis--Sand and gravel plants)  
(Tiflis--Concrete--Testing)

L 38455-66 EWT(1), T-2

ACC NR: AP6025672

SOURCE CODE: UR/0413/66/000/013/0144/0144

INVENTOR: Shulyat'yev, G. V.

ORG: none

TITLE: Device for securing the door of a pressurized cabin. Class 62, No. 183597

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 13, 1966, 144

TOPIC TAGS: aircraft cabin equipment, pressurized cabin door

ABSTRACT: An Author Certificate has been issued for a device for securing the door of a pressurized cabin, which contains supporting pins located along the edge of the door, a handle for the catches, and a pull rod with levers articulatedly attached to them. In order that the door can be safely secured in flight, it contains a handle made in two parts, the ends of which are equipped with automatic checking devices; these are connected by a shaft which is attached to the lock stirrups by pull rods through a two-shouldered handle in such a way that when the door is closed the articulated linkage shaft passes the dead center of rotation, and a by-pass valve with a rod is mounted on the opened doors in the handle's path of motion. [KT]

SUB CODE: 01/ SUBM DATE: 26Jul65/ ATD PRESS: 5048

Card 1/1 MLP

UDC: 629.135/138

SHULYAT'YEV, I.I.; BADALOVA, A.S., starshiy nauchnyy sotrudnik; URANOVA, A.S.,  
mladshiy nauchnyy sotrudnik

One-process "T-16" picker. Tekst. prom. 19 n. 7:39-42 Jl '59.  
(MIRA 12:11)

1.Zaveduyushchiy tsentral'noy laboratoriyy ramenskogo khlopchato-  
bumazhnogo kombinata "Krasnoye znamya" (for Shulyat'yev). 2.TSen-  
tral'nyy nauchno-issledovatel'skiy institut khlopchato bumazhnoy  
promyshlennosti (TsNIKhBI) (for Badalova). 3.Vsesoyuznyy nauchno-  
issledovatel'skiy institut tekstil'nogo i legkogo mashinostroyeniya  
(VNILLTekmash) (for Uranova).

(Spinning machinery)

KARLOV, K.A.; SHULYAT'YEV, I.I.; RAZIKOV, N.N., inzh.

Carding machines for large packages. Tekst.prom. 20 no.1:  
70-72 Ja '60. (MIRA 13:5)

1. Glavnnyy inzhener kombinata "Krasnoye Znamya" (for Karlov).
2. Zaveduyushchiy tsentral'noy laboratoriyye kombinata "Krasnoye Znamya" (for Shulyat'yev).  
(Carding machines)

SPULYAT'YEV, I.I.; NIKOLAYEV, V.B.; ALEKSANDROVA, Z.M.; GROMOVA, T.G.

"SN" mixing card with continuous action. Tekst.prom. 21 no.5:35-  
37 My '61. (MIRA 15:1)

(Carding machines)

SHUL'YAT'YEV, I.I.; SHAMAYEVA, A.M., inzh.

New method of covering the taker-in with Garnett wire. Takst.  
(MIRA 15:2)  
prom. 21 no.6:36-37 Je '61.

1. Nachal'nik tsentral'noy laboratori ramenskogo kombinata  
"Krasnoye znamya" (for Shul'yat'yev). 2. TSentral'naya laboratoriya  
ramenskogo kombinata "Krasnoye znamya" (for Shamayeva)  
(Carding machines)

AUTHORS: Taluts, G. G., and Shulyat'yev, S. A. 126-2-28/35

TITLE: On the problem of the spectrum of a system of electrons in an external field. (K voprosu o spektre sistemy elektronov vo vneshnem pole).

PERIODICAL: Fizika Metallov i Metallovedeniye, 1957, Vol.5, No.2, pp. 373-374 (USSR)

ABSTRACT: In Refs. 1 and 2 the frequency of oscillation of an electron plasma placed in a constant uniform electric field was obtained using the kinetic equation. In the present note<sup>an</sup> analogous problem is solved using the method of collective variables (Ref.3). The expression for the frequency of oscillation now derived contains extra terms compared with that given in Ref.1. These terms contain the square of the electric field. This is connected with the possibility of screening of the external field by the collective oscillations of the system. Polarization of the plasma connected with the oscillation of the system is proportional to  $n'F/\bar{\omega}n$  where  $n'$  is the number of collective degrees of freedom and  $F$  is the electric field. The present method based on the collective description of interactions in an electron plasma gives the possibility of calculating the polarization of the plasma connected with the oscillations of the latter,

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On the problem of the spectrum of a system of electrons in an  
external field.

126-2-28/35

particularly for plasmas with a small concentration (the  
case of semiconductors).  
There are 4 references, 3 of which are Slavic.

SUBMITTED: February 5, 1957.

ASSOCIATION: Institute of Physics of Metals, Ural Branch of the  
Ac.Sc. USSR. (Institut Fiziki Metallov Ural'skogo  
Filiala AN SSSR).

AVAILABLE: Library of Congress.

Card 2/2

AUTHORS: Taluts, G. G. and Shulyat'yev, S. A. 126-5-3-23/31

TITLE: The Theory of the Stark Effect in Excitons (K teorii effekta Shtarka u eksitonov)

PERIODICAL: Fizika Metallov i Metallovedeniye, 1957, Vol. 5, Nr 3, pp 550-552 (USSR)

ABSTRACT: The paper is concerned with the effect of an external uniform electric field on the exciton levels in a semiconductor with an atomic lattice. Eq.(1) is the Hamiltonian of the system, in the second quantization representation. The subsequent argument involves considering one excited state only, with weak excitation, subject to the condition of homeopolarity, and neglecting volume effects, since the excitation energy does not depend on the spin. The Hamiltonian is further simplified by diagonalization, using canonical transforms. The operators used to isolate the exciton state are given immediately above Eq.(2); these obey the permutational relationships of Bose-Einstein statistics approximately. Eq.(2) then gives the elementary exciton excitation, where  $E_n = L(mn, mn)$  is the electron energy in the state  $n$ , the  $G_k$  are Fourier components, and  $N$  is the electron

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1/2

The Theory of the Stark Effect in Excitons 126-5-3-23/31

density.  $G_k = 0$  gives the usual Stark effect for isolated atoms. Eq.(4) relates to the degenerate case  $d_{00} = d_{11} = 0$ . It is thus clear that interaction between the electrons reduces the Stark effect. The paper contains 4 numbered equations and 8 others. There are 4 references, 2 of which are Soviet, 2 English.

ASSOCIATION: Institut Fiziki Metallov Ural'skogo Filiala AN SSSR  
(Institute of Metal Physics, Ural Branch of the Ac.Sc.,  
USSR)

SUBMITTED: June 7, 1957

1. Semiconductors--Electron transitions    2. Semiconductors--Lattices  
3. Semiconductors--Excitation    4. Semiconductors--Theory

Card 2/2

S/049/60/000/02/008/022  
E131/E459

AUTHORS: Bulashevich, Yu.P. and Shulyat'yev, S.A.

TITLE: The Optimal Conditions of Activated Continuous Prospecting<sup>1/2</sup>

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya,  
1960, Nr 2, pp 253-262 (USSR)

ABSTRACT: The authors describe their research on the distribution of activated atoms along the axes of wells. The activation was effected by the generator of neutrons being in motion, stationary or pulsating. The relationship between this distribution and the speed of prospecting and the parameters of the medium were also considered. The amount of atoms of a radioactive isotope produced by the activation during the time  $t_0$  was calculated from Eq (1.1), where  $\lambda$  - constant of decaying,  $N_0$  - maximum possible number of activated atoms. The rate of activation per unit of a cylindrical layer is given as Eq (2.1), where  $z$  - coordinate of the observation point,  $v_t$  - coordinate of the source of neutrons,  $L$  - parameter of the distribution,  $A$  - rate of activation. The expression (2.1) corresponds to the experimental distribution of the thermal neutrons. The

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S/049/60/000/02/008/022  
E131/E459

The Optimal Conditions of Activated Continuous Prospecting

experiments showed that in the case of a Po-Be in water and  $r > 20$  cm,  $\rho r^2 = k e^{-r/L}$  ( $\rho$  is the density of thermal neutrons), the migration distance is equal to 10 cm. The linear density of the activated atoms  $n$  can be determined from Eq (2.2), where  $\psi$  is obtained from Eq (2.1). The initial conditions are defined by the relationships (2.3) to (2.10). Fig 1 shows the distribution of the activated aluminium in bauxite calculated from Eq (2.9) and (2.10) for different speeds of prospecting. It can be considered that the intensity of  $\gamma$ -radiation is proportional to the concentration of the radioactive isotope as shown by Eq (2.11). The optimal sounding is obtained when its length is equal to the distance between the generator of neutrons and the point of maximum concentration of activated atoms; this can be found from Eq (3.1) (see Fig 1). Fig 2 shows the relationship (2.10) calculated for the concentration of activated atoms Al in bauxite and the speed of prospecting for a constant sounding  $d = 150$  cm. The optimal speed can be calculated from Eq (3.2) for the

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S/049/60/000/02/008/022  
E131/E459

The Optimal Conditions of Activated Continuous Prospecting

condition  $(dn/dv) = 0$  and  $d = \text{constant}$ . The rate of activation produced by the pulsating generator of neutrons can be determined from Eq (4.1). In this case the conditions in front of the generator are described by Eq (4.2) and those behind it from Eq (4.3). The density of activated atoms at a distance  $d$  behind the generator can be calculated from the latter equation when  $z = vt - d$ . The expression (4.3) can be simplified when  $d = 0$  and can be shown as Eq (4.7) and (4.8). If the activation is performed in respect to one out of many elements in a rock, the proportion of neutrons  $Q_0$  used for activation of that particular element can be calculated from Eq (5.1), (5.2) and (5.3), where  $\tau_{o-}$  is the mean lifetime of a thermal neutron in a rock,  $\lambda_o$  is the mean rate of capture of the thermal neutron,  $v$  is its mean velocity,  $\psi_i$  is the density of i-atoms,  $\sigma_i$  is the corresponding rate of capture,  $N_o$  is the total number of thermal neutrons in a rock. The total number of activated atoms of aluminium in the bauxite zone of the hydrargillite structure can be

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BELYKH, V.A.; SEN'KO-BULATNYY, I.N.; SHULYAT'YEV, S.A.; YAKUB, L.I.

Effect of silicon activation by fast neutrons during activation  
logging of bauxite deposits. Izv.AN SSSR.Ser.geofiz. no 6:917-921  
Je '61. (MIRA 14:5)

1. Akademiya nauk SSSR, Ural'skiy filial, Institut geofiziki.  
(Radioactive prospecting) (Bauxite) (Silicon)

SHULYAT'YEV, V. (g. Slobodskoy, Kirovskoy oblasti)

One for all. Mest.prom.i khud.promys. l no.2/3~~134~~ N-D '60.  
(Slobodskoy--Clothing workers) (MIRA 14:4)

SHULYAT'YEV, Vladimir Tikhonovich; BELOV, M.P., red.; KAYDALOVA, M.D.,  
tekhn.red.

[Machinist Saprykin, a follower of A.Gaganova; a sketch]  
Posledovatel' V.Gaganovo mashinist Saprykin; ocherk. Khabarovsk,  
Khabarovskoe knizhnoe izd-vo, 1960. 19 p.

(MIRA 14:2)

(Saprykin, Evgenii Gerasimovich)

SHULYAT'YEVA, G.

94-4-19/25

AUTHOR: Perel'man, Ya.V., and Shulyat'yeva, G.N., Engineers  
TITLE: Discussion on the Article by I.M. Ter-Oganesyan "Some  
Special Features of Resistance Measurements with Instruments  
Type MS-07" (Po povody stat'i I.M. Ter-Oganesyana "O nekotorykh  
osobennostyakh izmereniya soprotivlenii priborami tipa MS-07")  
(Promyshlennaya Energetika, 1957, No.2) and the Author's  
Reply to the Above.

PERIODICAL: Promyshlennaya Energetika, 1958, Vol.13, No.4,  
pp. 34 - 36 (USSR).

ABSTRACT: Ter-Oganesyan's article dealt with the use of instruments,  
type MS-07, to measure the resistance of conductors and in  
particular to measure the resistance of earthing equipment.  
There is a great need for work on the measurement of the condition  
of earthing equipment but Ter-Oganesyan's article did not take  
account of the actual circuit characteristics. His estimate of  
the errors of the instrument is said to be over-pessimistic, and  
in fact many of the errors cancel one another. It would be  
serious if the errors were negative but in fact they are mostly  
positive. Therefore, it is quite permissible to use instrument,  
type MS-07, to assess the condition of earthing equipment.

Author's reply.  
This is the author's reply to the above discussion. He states

Card1/2

KONSTANTINOV, B.A., dotsent, kand.tekhn.nauk; AYZENBERG, B.L., dotsent,  
kand.tekhn.nauk; KLEBANOV, L.D., kand.tekhn.nauk; NIKOGOSOV, S.N.,  
dotsent, kand.tekhn.nauk; BARDIN, M.I., inzh.; KOROLEV, V.A., inzh.;  
PRINTSEV, A.A., inzh.; SOKOLOVA, K.I., inzh.; SHULYAT'YEVA, G.N.,  
inzh.; ROZENBERG, B.I., prof., doktor tekhn.nauk [deceased]; BYKOV,  
N.G., inzh.; ZEYLIGER, A.N., inzh.; ZABRODINA, A.A., tekhn.red.

[Collected information data regarding the power factor ( $\cos \varphi$ )]  
Sbornik informatsionnykh materialov po koeffitsientu moshchnosti  
( $\cos \varphi$ ). Pod red. B.A.Konstantinova. Moskva, Gos.energ.izd-vo.  
(MIRA 12:12)  
1959. 141 p.

1. Leningrad. Leningradskiy inzhenerno-ekonomicheskiy institut.  
2. Leningradskiy inzhenerno-ekonomicheskiy institut (for Konstantinov, Ayzenberg, Klebanov, Nikogosov). 3. Energosbyt Lenenergo (for Bardin, Korolev, Printsev, Sokolova, Shulyat'yeva). 4. Leningradskiy politekhnicheskiy institut (for Rozenberg). 5. Leningradskoye otdeleniye instituta "Teploelektroprojekt" (for Bykov, Zeyliger).  
(Electric engineering)

GERASIMOVA, N.V.; SHULYAT'YEVA, V.I. (Sverdlovsk)

Promeran as a diuretic. Klin.med. 39 no.1:134-136 Ja '61.  
(MIRA 14:1)

1. Iz kafedry gospital'noy terapii (zav. - doktor med.nauk prof.  
V.M. Karatygin) Sverdlovskogo meditsinskogo instituta (dir. -  
prof. A.F. Zverev).  
(DIURETICS AND DIURESIS)

RYSKINA, Ye.B., kand.med.nauk; KHAR'KOVA, R.M., kand.med.nauk;  
SHULYAT'YEVA, Ye.V.

Use of fruits and vegetables in the nutrition of infants during  
the first six months of life. Pediatriia 39 no.3:63-67 Mr '61.  
(MIRA 14:4)

1. Iz Nauchno-issledovatel'skogo pediatricheskogo instituta  
(dir. - doktor med.nauk A.P. Chernikova) i TSentral'nogo doma  
rebenka (dir. Ye.B. Shulyat'yeva) Moskvy.  
(FRUIT) (VEGETABLES) (INFANTS---NUTRITION)

GAVRIKOV, V. (g.Armavir); SHULYAYEV, F. (g.Armavir)

This provokes alarm. Zhil.-kom. khoz.ll no.7:31 Jl '61.  
(MIRA 14:7)  
(Caucasus, Northern--Loess)

SHULYNDIN, A., prof.; KNYSH, A., aspirant

Rust of durum winter wheat. Zashch. rast. et vred. i bol. 10 no.6:  
52 '65. (MIRA 18:7)

1. Ukrainskiy institut rasteniyevodstva, selektsii i genetiki imeni  
V.Ya.Yur'yeva, Khar'kov.

SHULYNDIN, A. F.

Shulyndin, A. F. - "Susceptibility of hybrid summer wheats to the Swedish fly (Oseinosoma Frit L)," Trudy Stavrop. S.-kh. in-ta, Issue 3, 1948, p. 205-08 --- Bibliog: 5 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

SHULYNDIN, A. F. U.

28499

Zarazhyenii Kornyey Bobovykh Klubyenkovymi Baktyerikami Myshinogo Gcreshka  
Agrobiologiya, 1949, No. 4, 119

SC: LETOPIS NO. 38

SHULYNDIN, A. F.

Shulyndin, A. F. - "Hybridization of soft summer wheats with winter Squareheads,"  
Trudy Stavrop. s.-kh. in0ta, Issue 3,1948, p. 251-65 —  
Bibliog: 9 items

So: U-3566, 15 March 53, (letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

*S. L. DENIN*  
Savchenko (A. P.). *Popravleniye syrapitosa yesenimi na zernovye*. [Resistance of Lentils sown in the spring and summer to smut.]

*Agronomika [Agrobiology]*, 1950, 2, pp. 144-147, 2 figs. 1950.

Experiments were carried out by the Agricultural Institute, Stavropol, U.S.S.R., in 1948 and 1949 to determine the resistance of various lentil varieties to a species of *Fusarium* [R.A.M., 11, p. 282] in naturally infected plots. Symptoms were inconspicuous in very young seedlings, but growth was inhibited after 12 to 18 days; later most of the leaves were smaller than healthy ones, abnormally dark green, and close to the stem. Subsequently the diseased plants wilted. The development of plants infected after sprouting is delayed, they remain mostly sterile, or produce only a few pods with small, often under-developed seeds. The conidia of the fungus were most abundant in the root cortex 1 to 5 cm under the soil surface, but almost absent in the lower root parts. The infected roots of some young plants had brownish-red lesions, but numerous conidia were observed

in tissues which had no external symptoms. Conidia developed poorly in stem tissues and none were found on pods or seeds.

No immune varieties were observed. In June 1948, at the bud stage, the most resistant variety was Kierskaya with 10.69 per cent. infection, followed by Lentil 21 with 14.29 per cent. In 1949 the conditions were most favourable for the development of the pathogen. The winter was relatively warm and the spring overwintered well. Heavy rains from the end of May continued through June and July, and during these months all lentil varieties were killed.

In 1947 an early flowering strain of Lentil 21 from the Astrakhan-Bazarki district, Azerbaidzhan, was sown separately and tested for resistance in June, during the flowering stage. Plants with small seeds had only 0.77 per cent. infection, large-seeded ones 14.29 per cent., and medium-seeded 76.82. In 1949 the small-seeded plants, designated Lentil 1, were tested again: they developed 32.67 per cent. infection compared with 10.0 per cent. on Petrovskaya 4/105.

Tests in 1948 and 1949 demonstrated the considerably lower infection rates in summer-sown plants. In 1948 the spring-sown Bukharinskaya, Petrovskaya 4/105, and Stepaysa 11 had 27.72, 67.32, and 21.25 per cent. infection, the respective rates for the summer-sown being 17.39, 6.43, and 5.71 per cent. In 1949 spring-sown Petrovskaya 4/105, Stepaysa 244, Tarelochinskaya, and Lentil 1 had 100, 100, 100, and 32.67 per cent., the summer-sown 9.51, 7.74, 4.27, and 4.49 per cent., respectively.

*S. L. DENIN, A. P.*

SHULYNIDIN, A. F.

VETCH

Producing a spring variety of hairy vetch. Agrobiologija No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

HYBRIDS, ETC.

MILLET

Hybrids of foxtail millet and Hungarian millet, Col. i secm. 19 No. 5, 1952.

Monthly List of Russian Acquisitions, Library of Congress, July 1952. UNCLASSIFIED.

SHULYNDIN, A.F.

Increasing the efficacy of soy nitratin by selecting soy varieties with high susceptibility to root nodule bacteria. Mikrobiologiya 22, 288-93 '53.  
(CA 47 no.22:12524 '53) (MLRA 6:5)

1. Breeding and Genetics Inst., Acad. Sci. Ukr. S.S.R., Kharkov.

SHULYNDIN, A. F.

Chem Abs

U.48 25 Jan 54 ✓ Inheritance of the ability to accumulate sugars in inter-  
special hybrids of wheat. A. F. Shulyndin. *Doklady Akad. Nauk S.S.R.* 91, 675-8(1953).—Crosses of various types of soft and hard wheat were examd. as to their ability to accumulate sugars in the posterity of the hybrids. Generally this ability was low in the 1st generation, but high in the 2nd generation of the hybrids. G. M. Kosolapoff

Botany

Inst. Genetics & Selection, AS USSR

SHULYNDIN, A.F.

Inheritance of the capacity of accumulating sugars by interspecific wheat hybrids in connection with an increase in the cold resistance of plants. Zhur. ob. biol. 15 no.5:336-352 S-0 '54. (MIRA 7:12)

(WHEAT) (SUGARS)  
(PLANTS, EFFECT OF TEMPERATURE ON)

SHULYNDIN, A. F.

USSR/Biology - Genetics

Card 1/1 : Pub. 22 - 29/41

Author(s) : Shulyndin, A. F.

Title : Origination of the frost and cold-resistance properties of intermixed wheat hybrides in relation to the plant feeding condition

Periodical : Dok. AN SSSR 98/2, 273-276, Sep 11, 1954

Abstract : The formation of the frost and cold-resistance characteristics of certain intercrossed wheat hybrides, in relation to the feeding conditions of the plant, is explained. Nine USSR references (1926-1954). Tables.

Institution : Acad. of Sc. Ukr-SSR, Institute of Genetics and Selection, Kharkov

Presented by : Academician A. L. Kursanov, June 7, 1954

Shulyndin, A. F.

USSR/Biology - Plant physiology

Card 1/1 Pub. 22 - 43/47

Authors : Shulyndin, A. F.

Title : Increase in frost- and winter-resistance of hardy wheats

Periodical : Dok. AN SSSR 98/5, 861-864, Oct 11, 1954

Abstract : The possibility of increasing the frost- and winter-resistance of hardy wheats, is discussed. Seven USSR references (1930-1952). Table.

Institution : Academy of Sciences Ukr-SSR, Institute of Genetics and Selection, Kharkov

Presented by : Academician N. V. Tsitsin, August 7, 1954

• • • • •

• • • • • "Theoretical and experimental studies of changes in  
the area of annual crop plants". Khar'kov, 1977. Higher  
Education University SSSR. Khar'kov Order of Labor and Banner Agricul-  
tural Institute V. V. Dokuchaev. (Dissertation for the Degree  
of Doctor of Agricultural Science.)

• • • • • No.: Mininovskaya Letopis', No. 43, 22 October 1978. Moscow

*Shulyndin, A.F.*  
USSR/ Agriculture - Genetics

Card 1/1 Pub. 22 - 43/49

Authors : Shulyndin, A. F.

Title : Inheritance of the sugar accumulation ability by wheat hybrides of the third and fourth generation

Periodical : Dok. AN SSSR 100/5, 1005-1008, Feb 11, 1955

Abstract : The possibility of hybrid wheat of third and fourth generation to inherit the sugar accumulation capabilities of its predecessors is discussed. One USSR reference (1953). Tables.

Institution : Academy of Sciences Ukr. SSR, Institute of Genetics and Selection

Presented by: Academician A. L. Kursanov, November 30, 1954

SHULYNDIN, A.F.; POTAPOVA, A.A.

Formation of anatomical and morphological characteristics of inter-species hybrid wheat plants in connection with their winter hardiness.  
Dokl. AN SSSR 104 no. 2:319-322 S '55. (MLRA 9:2)

1. Institut genetiki i selektsii Akademii nauk USSR. Predstavлено  
академиком N.V.TSitsinym.  
(Wheat)

SHULYNDIN, A.F., kandidat sel'skokhozyaystvennykh nauk; MANZYUK, V.T.,  
kandidat sel'skokhozyaystvennykh nauk.

Resistance of hard sheat hybrids to the frit fly. Agrobiologiya  
no.5:22-29 S-0 '56. (MLRA 9:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,  
seleksii i genetiki, Khar'kov.  
(Wheat--Disease and pest resistance) (Frit flies)

SHULYNDIN, A.F., kandidat sel'skokhozyaystvennykh nauk; MANZYUK, V.T.

Length of the vegetative season of hard spring wheat hybrids as affected by growing conditions. Dokl.Akad.sel'khoz.21 no.6:10-14 '56.(MLRA 9:9)

1.Institut genetiki i selektsii Akademii nauk USSR. Predstavlena sektsiyey rasteniyevedstva Vsesoyuznoy ordena Lenina akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina.  
(Wheat) (Hybridization, Vegetable) (Growth (Plants))

POLTAREV, Ye.M.; SHULYNDIN, A.F.

Formation of the photo stage in interspecific wheat hybrids, Dokl.  
AN SSSR 110 no.5:866-869 O '56. (MIRA 10:1)

1. Institut genetiki i selektsii Akademii nauk USSR. Predstavлено  
академиком Т.Д. Лысенко.  
(Wheat)

*S. Shelyakin, H. F.*

3.3.1/Cultivable Plants - Grains.

Ref Jour : Ref Zhur Biol., No 3, 1958, 10686  
 Author : Shelyakin, S. I.  
 Inst : Ukrainian Scientific Research Institute of Plant Husbandry,  
 Selection and Genetics.  
 Title : Projects for the Creation of a Hard Winter Wheat.  
 Orig Pub : Vestnik s.-kh. nauki, 1957, No 3-37-'6

Abstract : No real winter-resistant hard wheat (*Triticum durum*) varieties exist, despite their great commercial value. A number of scientific institutions of the U.S.S.R., among them the Ukrainian Scientific Research Institute of Plant Husbandry Selection, and Genetics, are working toward the creation of such varieties. There exist here at the present time typical hard wheats with retarded autumnal development, a long vernalization stage, and the capacity to accumulate

Card 1/3

M-2

3.3.1/Cultivable plants - Grains.

Ref Jour : Ref Zhur - Biol., No 3, 1958, 10686

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550210010-6"

a large sugar reserve in autumn -- all qualities which ensure a good degree of winter hardiness. When sown in spring they do not form ears. They cannot be considered ready varieties, but it can be claimed that the Institute already disposes of valuable basic material for creating such sorts. The fundamental steps are: crossbreeding semi-winter-resistant sorts of winter soft wheat with semi-winter and spring hard wheat varieties. Soft winter wheat serves as the maternal form. The choice of the corresponding paternal hard wheat form is very important. The "Narodnaya" variety gives good results. Despite the fact that spring wheat qualities /yurovost/ have generally been minimized in similar crossbreedings,  $F_1$  must be sown in autumn, thus furthering the subsequent evolution of the hybrids in the direction of winter wheat types. In dividing up the hybrid posterity the highly winter-resistant soft wheat forms can easily be isolated. Isolating the winter-wheat forms

Card 2/3

winter-resistant hard wheat forms is a longer and more difficult process. Selection along the lines of stage, morphological, biologic, and biochemical characteristics permits the corresponding winter and winter-resistant forms among the hard wheats to be strengthened.

SHULYNDIN, A.F., kandidat sel'skokhozyaystvennykh nauk.

Winter hardness of wheat varieties depending on their accumulation  
of nitrogen and sugar during the fall period. Dokl. Akad. sel'khoz.  
22 no.3:25-28 '57. (MLRA 10:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,  
seleksii i genetiki. Predstavlena akademikom V.Ya. Yur'yevym.  
(Wheat) (Plants, Effect of nitrogen on) (Sugars)

SHULYNDIN, A.F.; POTAPOVA, A.A. [Potapova, O.O.]

Nature of the susceptibility to brown rust in intervarietal wheat  
hybrids. Trudy Inst. gen. i sel. AN URSR 5:37-43 '58. (MIRA 11:9)  
(Wheat--Disease and pest resistance) (Uredinales)

~~SHULYNDIN, A.P.~~; POTAPOVA, A.A. [Potapova, O.O.]; NEVZOROVA, K.A.  
[Nevzorova, K.O.]

Studying the size of epidermal cells and starch granules in inter-  
varietal wheat hybrids (Tr. vulgare Tr. durum). Trudy Inst.  
gen. i sel. AN URSR 5:44-55 '58. (MIRA 11:9)  
(Wheat breeding) (Starch) (Plants--Frost resistance)

SHULYNDIN, A.F.

Formation of the trait of winter hardiness in interspecific wheat  
hybrids (Triticum vulgare x Tr. durum) [with summary in English].  
Zhur. ob. biol. 19 no.2:108-120 Mr-Ap '58. (MIRA 11:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,  
seleksii i genetiki, Khar'kov.  
(WHEAT BREEDING) (PLANTS--FROST RESISTANCE)

SHULYNDIN, A.F., doktor sel'skokhozyaystvennykh nauk; POLTAREV, Ye.M.

Differences in the vernalization stage in seeds and green plants  
of interspecific hybrids. Dokl. Akad. sel'khoz. 23 no.4:14-17 '58.  
(MIRA 11:5)

1.Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,  
selektsii i genetiki. Predstavлено академиком D.D. Berezhnevym.  
(Wheat--Vernalization)

SHULYNDIN, A.F., doktor sel'skokhozyaystvennykh nauk

Absorption of hereditary characteristics in remote hybridization.  
Agrobiologija no.1:120-126 Ja-F '60. (MIRA 13:5)

I. Ukrainskiy Ordena Lenina nauchno-issledovatel'skiy institut  
rasteniyevodstva, selektsii i genetiki, Khar'kov.  
(Hybridization, Vegetable)

SHULYNDIN, A.F., prof., doktor sel'skokhozyaystvennykh nauk;  
NAUMOVA, L.N.; KARTAVYKH, P.A.

Fertility of the first generation of wheat-rye hybrids  
depending on growing conditions and parental varieties.  
Agrobiologiya no. 3:373-378 My-Je '60. (MIRA 13:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,  
seleksii i genetiki, Khar'kov.  
(Wheat breeding) (Rye breeding) (Hybridization, Vegetable)

SHULYNDIN, A.F.; NAUMOVA, L.N.

Crossability of hard wheat and rye. Dokl. AN SSSR 135 no. 5:1244-  
1246 D '60. (MIRA 13:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,  
selektsiyi i genetiki, Khar'kov. Predstavлено akademikom N.V.  
TSitsinym.  
(Wheat breeding) (Rye breeding)

SHULYNDIN, A.F., doktor sel'skokhozyaystvennykh nauk; POLTAREV,  
Ye.M., kand.biologicheskikh nauk

Development and inheritance of photoperiodic features in  
interspecific hybrids of wheat. Agrobiologija no.4:516-  
524 Jl-Ag '61. (MIRA 14:7)

1. Ukrainskiy ordena Lenina nauchno-issledovatel'skiy institut  
rasteniyevodstva, selektsii i genetiki, Khar'kov.  
(Wheat breeding) (Photoperiodism)

CHUMYEROVA, N. G., cand. biolog. наук, Fil'yomyan, I. S., prof.

"Villet fatigue" and its causes. "Zemledelie 26 no. 2384"  
88 F '64. (MIRA 17:6)

Ukrainsky zemchho-issledovatel'skiy institut rasteniyevodstva,  
sel-khozi i genetiki imeni V. F. Suri'yeva.

SHULYNDIN, A.F.; NAJMOVA, L.N.

Characteristics of the crossability of soft wheat with rye.  
Izv. AN SSSR, Ser. biol. no. 3:437-442 My-Je '65. (MIR 18:5)

1. Ukrainskiy ordena Lenina nauchno-issledovatel'skiy institut  
rasteniyevodstva, selektsii i genetiki, Khar'kov.

SHULYNDIN, A.Ye., doktor sel'skokhozyaystvennykh nauk; POITAREV, Ye.N.

Inheritance and formation of the vernalization stage in interspecific  
wheat hybrids. Aerobiologiya no.4:48-58 Jl-Ag '57. (MLKA 10:9)

I. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva,  
selektsiyi genetiki, Khar'kov.  
(Wheat) (Vernalization)

ABAKUMOV, G.A.; SHILOV, A.Ye.; SHULYNDIN, S.V.

Electron paramagnetic resonance of the products of interaction between dicyclopentadienyl vanadium dichloride and aluminum alkyls. Kin. i kat. 5 no.2:228-234 Mr-Ap '64.  
(MIRA 17:8)

1. Institut khimicheskoy fiziki AN SSSR.

SHULYTE, Yu. A.

KIRIATOV, N.I.: SHULYTE, Yu.A.

Vliyanie tekhnologicheskikh faktorov plovki na svoystva  
vysokomanganevistoy stali.  
Report submitted for the 5th Physical-Chemical Conference on  
Steel Production.

MOSCOW

30.08.88

SHULYUKIN, Ye.

The labor class of Hungary is true to socialism; a letter from  
Budapest. Sov. profsoiuzy 5 no.2:77-80 F '57. (MLRA 10:4)  
(Hungary--Trade unions)

SHULYUKIN, Ye.

Throw the war touch on a junk pile. Sov. profsoiuzy 17 no.14:  
41-43 Jl '61. (MIRA 14:7)  
(Labor and laboring classes) (World politics)  
(Investments, American)

SHULYUKIN, Ye.

Let us keep the sky clear forever. Sov. profsoiuzy 18 no.8:  
40-41 '62. (MIRA 15:4)  
(World politics) (Trade unions)

USSR/Medicine, Veterinary - Tissue therapy Feb 53  
"38th Plenary Session of the Veterinary Section of  
VASKNII," Prof Ye. S. Shulyumova, Prof I. Ye. Moz-  
gov

"Veterinariya" Vol 30, No 2, pp 57-60

It was established that physical exercise stimulates the resistance of horses to infectious diseases; this principle is being applied by exercising horses that produce sera at biological factories. In this manner, more active sera are obtained. Slowly

244T22

granulating wounds and tumors are being treated with preserved equine blood and serum. Good results in veterinary practice have been obtained with ACS (antireticular cytotoxic serum). The Rostov NIVOS (Sci-Res Vet Exp Sta) supplies polyvalent ACS which is effective for several species of animals. ARCS (antipancreatic cytotoxic serum) has been successfully used for the fattening of animals. Further work has been done on ASD (Dorogov's antiseptic stimulant).

244T22

SHULYUMOVA, Ye., professor.

Academician V.P.Filatov's 80th birthday. Veterinariia 32  
no.3:96 Mr '55. (MLRA 8:4)  
(FILATOV, V.P., 1875)

SHULYUMOVA, Ye.S., professor; KUZ'MIN, A.F., assistant; FED'KO, P.A.,  
ordinator.

Influence of tissue extracts on lactation in cows in foot-and-mouth  
disease. Veterinariia 33 no.2:27-30 F '56. (MLRA 9:5)

1. Odesskiy sel'skokhozyaystvennyy institut.  
(FOOT-AND-MOUTH DISEASE) (TISSUE EXTRACTS) (LACTATION)

SOV/26-59-5-35/47

3(1)

AUTHOR: Shul'zhenko, A.I.

TITLE: The Finding of a Meteorite

PERIODICAL: Priroda, 1959,<sup>48</sup> Nr 5, p 115 (USSR)

ABSTRACT: The author reports the finding, 32 m below ground, of a meteorite, in November 1957, at the Pit Nr 34 of the Frunze Mine in the Magadan Oblast'. The weight of the meteorite was 15 kg, but it was later broken (after considerable efforts) into two parts. The crystalline structure, with the surface melted to some depth, showed clearly on the fracture surface. Its chemical contents: Iron 93-94%; Nickel 5-6%; Carbon 0.4 - 0.5%. Specific gravity 7.82. The editorial comment states that this meteorite is now at the Komitet po meteoritam AN SSSR (Committee for Meteorites of the USSR Academy of Sciences) in Moscow. There are 2 photographs.

Card 1/2

Shul'zhenko, A. M.

137-1957-12-23009

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 21 (USSR)

AUTHOR: Shul'zhenko, A. M.

TITLE: A Circulating Arrangement for a Separator . for Large Particles  
of Metal (Tsirkulyatsionnaya ustanovka k ulovitel'yu krupnykh  
chastits metalla)

PERIODICAL: Kolyma, 1953, Nr 1, pp 32-33

ABSTRACT: In order to save water at the concentration plant, the unit for the separation . of large particles of metal was converted to circulating operation. Water is kept circulating by means of a 4NK pump which removes the used water from a sedimentation tank, on the conical bottom of which the dregs are deposited.

V. K.

1. Metallurgy-USSR 2. Metals-Separation 3. Water-Applications

Card 1/1

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550210010-6

SHUL'ZHENKO, A.N., polkovnik, voynnyj letchik i ego klass; RUFAN, S.M.,  
general-major, pilotnik, voynnyj letchik i-ego klassa; RESHETOV,  
S.I., podpolkovnik, ofitcer chitate.

Improve the tactical training of flight personnel in every way  
possible. Mar. sber. 78 no.10:36-43 0 '65. (MTRA 18:2)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550210010-6"

SHUL'ZHENKO, A.P., podpolkovnik, voyennyy letchik 1-go klassa

Flight critique, an active form of instructing aviators. Mor. sbor.  
(MIRA 18:7)  
47 no. 3:59-63 Mr '64.

BONDARENKO, G.F., otv. red.; DIDOVETS, S.R., red.; MUCHNIK, S.R., prof., red.;  
PUCHKOVSKAYA, N.A., prof., red.; SHULYUMOVA, Ye.S., prof., red.;  
DOBRZHANSKIY, V.N., red.; LAPCHENKO, Ye.P., tekhn. red.

[Tissue preparations in animal husbandry] Tkanevye preparaty v  
zhivotnovodstve; materialy. Kiev, Gosse'khozizdat USSR, 1962.  
(MIRA 16:2)  
235 p.

1. Nauchno-proizvodstvennaya konferentsiya po primeneniyu tkaneykh preparatov po V.P. Filatovu v zhivotnovodstve i veterinarii, Odessa, 1960.
  2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR, Ukrainskiy nauchno-issledovatel'skiy eksperimental'nyy institut glaznykh bolezney i tkanevoy terapii im. akad. V.P. Filatova (for Puchkovskaya).
  3. Ukrainskiy nauchno-issledovatel'skiy eksperimental'nyy institut glaznykh bolezney i tkanevoy terapii im. akad. V.P. Filatova (for Muchnik).
  4. Odesskiy sel'skokhozyaystvennyy institut (for Shulyumova).
  5. Nachal'nik Upravleniya veterinarii Ministerstva sel'skogo khozyaystva Ukr.SSR (for Didovets).
- (Tissue extracts) (Stock and stockbreeding)

• Tryptophan, a tryptophanol derivative, and chlorine of the blood  
serum and colostrum. Veterinariia i meditsina 1985, v. 16, p. 165.  
(AMA 16:3)  
• Vjazakiy sel'skohozgospstvennyy institut.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550210010-6

U.S.A.M., I. F.

Stock-breeding in the People's Republic of Mongolia. Noyva, Arai, and SooR, 1954  
pp. . (Academic, New York) (Mongolian Commissar Trudy, no. 61)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550210010-6"

SHUL'ZHENKO, I.F.  
YUNATOV, A.A.; NEMCHINOV, V.S., akademik, glavnnyy redaktor; LAVRENKO, Ye.M.,  
otvetstvennyy redaktor vypuska; SHUL'ZHENKO, I.F.; GOLOVIN, M.I.,  
redaktor izdatel'stva; ARONS, R.Y., tekhnicheskiy redaktor.

Forage plants of pastures and meadows of the Mongolian People's  
Republic. Trudy Mong.kom. no.56:3-351 '54. (MLR 7:11)

1. Chlen-korrespondent Akademii nauk SSSR. (for Lavrenko)  
(Mongolia--Forage plants) (Forage plants--Mongolia)

SHUL'ZHENKO, I.F.

Chief results of experimental work in animal husbandry in the  
Mongolian People's Republic. Trudy Mong. kom. no.66:5-11 '54.  
(MIRA 8:6)  
(Mongolia--Stock and stockbreeding)

Name: SHUL'ZHENKO, Ivan Fedcscyevich  
Dissertation: Animal husbandry in the Mongolian People's Republic  
Degree: Doc Agr Sci  
Affiliation: Inst of Physiology imeni Pavlov,  
Acad Sci USSR  
Defense Date, Place: 29 Jun 55, Council of Ukrainian Order  
of Labor Red Banner Agr Academy  
Certification Date: 1 Jun 57  
Source: FMVO 16/57

IVASHKIN, V.M.; NEMCHINOV, V.S., akademik, redaktor; LAVRENKO, Ye.M.,  
redaktor; SHUL'ZHENKO, I.F., redaktor; SKRYABIN, K.I., akademik,  
redaktor; PETROV, A.M., redaktor; ALEKSEYEVA, T.V., tekhnicheskiy  
redaktor.

Helminths of farm animals in the Mongolian People's Republic. Trudy  
Mong.kom. no.68:3-213 '55. (MLRA 9:3)

1. Chlen-korrespondent AN SSSR (for Lavrenko).  
(Parasites--Domestic animals)(Mongolia--Worms, Intestinal and para-  
sitic)

SHUL'ZHENKO, I.F., doktor sel'skokhozyaystvennykh nauk; GULYAYEVA, P.D.,  
nauchnyy sotrudnik

The effect of sleep and rest on the productivity of swine during fattening. Zhivotnovodstvo 21 no.2:76-79 F '59. (MIRA 12:3)

1. Direktor nauchno-opytnoy stantsii fiziologii sel'skokhozyaystvennykh zhivotnykh Instituta fiziologii imeni I.P. Pavlova AN SSS (for Shul'zhenko).

(Swine--Feeding and feeding stuffs) (Sleep)

VINOGRADOV, V.I., kand.sel'skokhoz.nauk, otv.red.; SHUL'ZHENKO, I.F.,  
kand.sel'skokhoz.nauk, otv.red.; PEL'T, N.N., red.izd-va;  
GUS'KOVA, O.M., tekhn.red.

[Problems in the development of agriculture and stockbreeding  
in the Altai; transactions of a special comprehensive expedition  
through areas recently brought under cultivation] Voprosy razvitiia  
zemledeliia i zhivotnovodstva na Altai; trudy Osoboi  
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28 no.11:37-39 N '62. (MIRA 15:12)

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instituta zhirov (for Ismailov, Goryunova, Voronina, Bartosh). 2.  
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Dissertation: "Effect of the Motion of Transmitted Objects on the Sharpness of the  
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DD: SUA 284, 26 Nov 1954

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550210010-6

SHUL'ZHENKO, K.M.

Contrast and sharpness in the television reproduction of moving objects. Izv.TPI 86:123-136 '58. (MIRA 13:5)  
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SHUL'ZHENKO, K.M.

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SHUL'ZHENKO, M. N., ed.

Reference book on foreign airplanes. Moskva, 1939. 506 p. (54-51972)

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Health measures in work on mounted reapers. Gig. truda i prof.  
zab. no.4:47 '62. (MIRA 15:4)

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(HARVESTING MACHINERY)  
(AGRICULTURE—HYGIENIC ASPECTS)

Author: Chudinov, M. N.

Author of: Konstrukzii samolotov

English Title: Design of Aircraft (or-Construction of Aircraft)

Publisher: Moscow, 1949

COMMENT: "Reproduction of a Soviet textbook on the design and construction of aircraft; the book contains 496 written pages, over 100 pictures and graphs, plus 32 references. It is for the use of aeronautical engineering students and covers the construction of wings, fuselages, control systems, landing gears, and the installation of piston and jet engines. Most of the pictures are of US and British models but Soviet aircraft and components are also included."

PHASE X

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

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## BOOK

Call No.: AF645104

Author: SHUL'ZHENKO, M. N.

Full Title: AIRCRAFT DESIGNS. 2nd revised and supplemented edition

Transliterated Title: Konstruktsii samoletov

## PUBLISHING DATA

Originating Agency: None

Publishing House: State Publishing House of the Defense Industry  
(Oborongiz)

Date: 1953 No. pp.: 547 No. of copies: Not given

Editorial Staff: Gratitude for assistance is expressed to Professors:

Zonshayn, S. I., Neman, I. G. (deceased), Rozanov, O. N.,

Rostovtsev, G. G. and to Dotsents: Arkhangel'skiy, G. I.,

Gimmel'farb, A. L., Komarov, A. A., Sokolov, V. P. and Fomin, N. A.

PURPOSE AND EVALUATION: This is a textbook approved by the Main Department of Higher Education of the Ministry of Culture of the USSR for aviation institutions. It may be compared with American and British textbooks like Airplane Design Manual, Teichmann, F. K., (Pittman), Fundamentals of Aircraft Structures, Barton, M. V., (Prentice-Hall), and Analysis and Design of Airplane Structures, Bruhn, E. F., (Tri-State Offset Co.). However, its approach to the problem is more general and it covers more materials. Its purpose is to give a general and critical analysis of the problem and it is less concerned

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Konstruktsii samoletov

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with precise methods of calculation. Examples taken freely from foreign literature are mentioned as such in the text, which is seldom the rule in other textbooks. The book contains numerous clear diagrams.

TEXT DATA

Coverage: The incentive to write this textbook was given by Polikarpov, N. N., of the Moscow Aviation Institute im. Ordzhonikidze in 1944. It covers the course of aircraft design and planning. Its main purpose is the study of the design of the aircraft as a whole and of its components, with a critical analysis and explanation of the basic tendencies in development. In this analysis the requirements of aerodynamics, construction mechanics, technology and operation, and weight were taken into consideration. In particular the textbook contains an analysis of the design of wings, fuselages, landing gears, stabilizing and control devices, and powerplants. Each chapter contains information on operating conditions of aircraft components and on aircraft design classification. A comparative evaluation of the most characteristic contemporary aircraft designs is also given. Examples from Russian and foreign piston and reactive engine powered aircraft are cited. Diagrams and descriptions of some details of the following Russian aircraft are given: Yak-1, P-5, Mig-3, Pe-2,

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Konstruktsii samoletov

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Po-2, Li-2, La-5, Il-12, and so forth. TsAGI accelerograph type A-9 and the TsAGI shock absorber are described. The last chapter is concerned with the following problems related to aircraft piston and jet power plants: engine installation, engine mounts, cowlings, fuel and oil tanks, radiators, air intakes and exhausts.

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4. Engine cowlings
5. Fuel and oil tanks
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8. Icing of intake systems
9. Exhaust layouts of piston engines

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No. of References: Total 34, Russian 32, 1939-1951; 2 others, 1942.

Facilities: A large number of names appear in the text, especially in the historical introduction.

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